

ABSTRACT

The present invention is directed to a device and a method for measuring flexural damping in fibres. The device comprises a transducer coupled to the fibre. The transducer measures flexural vibration in the fibre. The device includes a light barrier having a light emitter and a light receiver arranged in line to each other and approximately perpendicular to the fibre. A light beam is emitted by the light emitter and received by the light receiver and is periodically interrupted by the fibre during vibration. A phase delay between an excitation signal and the fibre response is obtained from the electrical signal of the interrupted light beam.